New triples $(\Phi, H, D)$ from old ones

First construction: relativization, direct and modified:

**Direct**: $(D, 0, D)!$

**Modified**: Under [con] we may *randomize*. If $X = \{x_\nu | \cdots \}$, modified strategies are distributions $\alpha = (\alpha_\nu)$ corresponding to mixtures $\sum \alpha_\nu x_\nu$. New complexity: $(\alpha, y) \sim \sum \alpha_\nu D(x_\nu, y)$.

If compensation identity holds, entropy becomes $\sum \alpha_\nu D(x_\nu, \bar{y})$ (*information transmission rate* in classical case).

Second construction: *Bayesian* based on prior $(y_0)$. Replace complexity by *pay-off of updating*:

$(x, y) \sim D(x | y_0 := y) = \Phi(x, y_0) - \Phi(x, y) = D(x, y_0) - D(x, y)$. 